IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

John BEALE   Group Art Unit: 2182

Serial No. 10/500,116   Examiner: Tammara R. Peyton

Filed: June 25, 2004   Atty. Docket No.: 47092.00092

For: LOW-OVERHEAD PROCESSOR INTERFACING

RESPONSE TO ELECTION OF SPECIES REQUIREMENT

Commissioner for Patents   December 4, 2006
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The Office Action dated November 2, 2006 has been received and carefully noted.

The following remarks are submitted as a full and complete response thereto.

The Office Action of November 2, 2006 presented an election of species requirement,

requiring election between one of the following three species:

Species I, recited in claims 1-7, and 11-13, directed to an integrated circuit having

means for providing access to a processor device, said integrated circuit being

arranged to set up a direct memory access (DMA) for transferring data via said

access means, to trigger a DMA transfer of said data, to add said DMA transfer

to said transaction log, to provide said transaction log to said processor device

when said transaction log has reached a predetermined depth limit, and to issue

an information indicating the availability of said transaction log;

Species II, recited in claims 8-10, directed to a processor device having a memory which can be accessed by a connected circuitry, said processor device being arranged to validate data, transferred to said memory by a direct memory access, based on a transaction log provided to said processor device; and

Species III, recited in claim 14, directed to a system for performing a data transfer between a memory of a processor device and a circuitry connected to said processor device, wherein said circuitry is arranged to set up a direct memory access (DMA) for transferring data, to trigger a DMA transfer of said data to said processor device, to add said DMA transfer to a transaction log, to provide said transaction log to said processor device when said transaction log has reached a predetermined depth limit, and to inform said processor device of the availability of said transaction log; and wherein said processor device is arranged to validate said transferred data based on said provided transaction log.

Applicant respectfully elects to prosecute the subject matter of Species I, recited in claims 1-7 and 11-13.
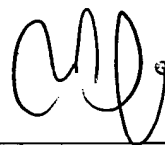
Applicant therefore respectfully requests timely consideration on the merits of claims

1-7 and 11-13.

Applicant reserves the right to file a divisional application on the non-elected claims at any point prior to the termination of the proceedings in the subject application.

In the event this paper is not being timely filed, the applicant respectfully petitions for an appropriate extension of time. Any fees for such an extension together with any additional fees may be charged to Counsel's Deposit Account 50-2222.

Respectfully submitted,

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